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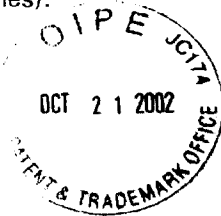
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To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copies thereof.

1. Name of conveying party(ies):

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Seiji FUNABA
Kayoko SHIBATA
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2. Name and address of receiving party(ies):

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Additional conveying party(ies) attached?

NO

3. Nature of conveyance:

ASSIGNMENT

Execution Date:

September 27, 2002

Additional name(s) & address(es) attached? NO

4. Application number(s) or patent number(s):

If this is being filed together with a new application, the execution date of the application is:

A. Patent Application Number(s):

10/206,822

B. Patent Number(s):

Additional numbers attached? NO

5. Name and address of party to whom correspondence concerning document should be mailed:

David A. Blumenthal
FOLEY & LARDNER
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6. Total number of applications/patents involved: 1

7. Total fee (37 C.F.R. § 3.41): \$40.00

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8. Deposit account number: 19-0741

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9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. The Commissioner is hereby authorized to charge any additional recordation fees which may be required in this matter to the above-identified deposit account.

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Name of person signing

Signature

October 21, 2002

Date

Total number of pages including cover sheet, attachments, and document: 3

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ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

name and address of assignee Elpida Memory, Inc.,
2-1, Yaesu 2-chome, Chuo-ku, Tokyo, Japan
Hitachi, Ltd.,
6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan and
Hitachi Tohbu Semiconddctor, Ltd.,
1-1, Nishiyokote-machi, Takasaki-shi, Gunma, Japan

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to this invention relating to

title of invention REGISTER CAPABLE OF CORRESPONDING TO WIDE FREQUENCY BAND AND
SIGNAL GENERATING METHOD USING THE SAME

as set forth in this United States Patent Application

check one ☐executed concurrently herewith
☐executed on _____
☒Serial No. 10/206,822 Filed July 29, 2002

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

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Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all

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Each of the undersigned hereby authorizes the firm of **FOLEY & LARDNER** to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

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